R E M A R K S

The Examiner rejected claims 50-72 under 35 U.S.C. §102 as anticipated by Soler.

New claim 101 clearly distinguishes over Soler in many different ways. Claim 101 recites first and second controllers and first and second subordinate control modules subordinate to the first controller. The claim also recites in connection with a transport path of the single sheet through the printer calculating first through fourth desired points in time. The first desired point in time is at or until which at least a first sensor signal is expected to be generated from a first sensor. A second desired point in time is at or until which at least a second sensor signal is expected to be generated by detection of a leading edge from a second sensor. The second subordinate control module calculates during the processing of the print job at least a third desired point in time at or until which a first actuator is to be activated. The second subordinate control module also calculates a third desired point in time at or until which a second actuator is to be activated. The first and second desired points in time and the third and fourth desired points in time are all referenced to the system time. The first through fourth points in time are transferred from the first and second subordinate control modules to a time process task in the first controller. In at least one sensor determination process, it is determined which one of the first and second desired points in time is to be used in determining when the leading edge is to arrive at the first sensor. The sensor determination process is handled and executed as a sensor task in the first controller. In at least one actuator determination process it is determined which of the at least third and fourth desired points in time is to be used in determining when the first actuator is to be activated. This actuator determination process is handled as an actuator task in the first controller. The time sensor task,

the sensor task, and the actuator task are handled as independent tasks in a multitasking operation of the first controller. The time process task transfers the desired first through fourth points in time for the actuator and for the sensor to the actuator task and to a time control unit, the time control unit being separate from the first controller and separate from the first and second subordinate control modules. Upon reaching one of the first through fourth desired points in time, the time control unit provides an interrupt signal and transmits the interrupt signal to the time process task. Upon receiving the interrupt signal, the time process task generates at least one message for at least one of said actuator task and said sensor task. Upon receipt of a first message for said first actuator from said time process task when the third desired point in time has been reached the actuator task initiating a first action of the first actuator. Upon receipt of a second message for the second actuator from the time processed task when the fourth desired point in time has been reached the actuator task initiating a second action of the second actuator. The actuator task transmits the remaining first and second desired points in time to the sensor task. Upon receipt of a third or a fourth message for the first or second sensors from the time process task when the first or second desired points in time have been reached, an edge arrival is monitored by the first or second sensor.
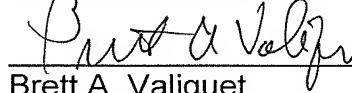
The above features are not suggested in combination anywhere in the Soler reference.

Dependent claims 102-104 distinguish at least for the reasons noted with respect to claim 101 and also by reciting additional features not suggested.

Allowance of the application is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required, or to credit any overpayment to account No. 501519.

Respectfully submitted,

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